



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/609,457
Sheet	1	of	3	Filing Date	June 27, 2003
				First Named Inventor	Daulton
				Art Unit	1775
				Examiner Name	Jason L. Savage
				Attorney Docket	AB-233U5

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
DP	A 1	US-4,678,868	07-07-1987	Kraska, et al.	
↑	A 2	US-4,991,582	02-12-1991	Byers, et al.	
	A 3	US-5,046,242	09-10-1991	Kuzma	
	A 4	US-5,193,539	03-16-1993	Schulman, et al.	
	A 5	US-5,193,540	03-16-1993	Schulman, et al.	
	A 6	US-5,272,283	12-21-1993	Kuzma	
	A 7	US-5,312,439	05-17-1994	Loeb	
	A 8	US-5,405,367	04-11-1995	Schulman, et al.	
	A 9	US-5,513,793	05-07-1996	Malmgren	
	A 10	US-5,620,476	04-15-1997	Truex, et al.	
	A 11	US-5,640,764	06-24-1997	Strojnik	
	A 12	US-5,738,270	04-14-1998	Malmgren	
	A 13	US-5,750,926	05-12-1998	Schulman, et al.	
	A 14	US-5,782,891	07-21-1998	Hassler, et al.	
	A 15	US-5,811,208	09-22-1998	Sunderland, et al.	
	A 16	US-5,821,011	10-13-1998	Taylor, et al.	
	A 17	US-5,843,140	12-01-1998	Strojnik	
	A 18	US-5,866,851	02-02-1999	Taylor, et al.	
	A 19	US-5,867,361	02-02-1999	Wolf, et al.	
	A 20	US-5,870,272	02-09-1999	Seiffert, et al.	
	A 21	US-5,871,513	02-16-1999	Taylor, et al.	
	A 22	US-6,031,710	02-29-2000	Wolf, et al.	
	A 23	US-6,051,017	04-18-2000	Loeb, et al.	
	A 24	US-6,052,623	04-18-2000	Fenner, et al.	
	A 25	US-6,061,598	05-09-2000	Richmond, et al.	
	A 26	US-6,164,284	12-26-2000	Schulman, et al.	
	A 27	US-6,175,764-B1	01-16-2001	Loeb, et al.	
	A 28	US-6,181,965-B1	01-30-2001	Loeb, et al.	
	A 29	US-6,185,452-B1	02-06-2001	Schulman, et al.	
	A 30	US-6,185,455-B1	02-06-2001	Loeb, et al.	
	A 31	US-6,208,894-B1	03-27-2001	Schulman, et al.	
DP	A 32	US-6,214,032-B1	04-10-2001	Loeb, et al.	

Examiner Signature		Date Considered	6/23/05
--------------------	--	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/609,457
(use as many sheets as necessary)				Filing Date	June 27, 2003
Sheet	2	of	3	First Named Inventor	Daulton
				Art Unit	1775
				Examiner Name	Jason L. Savage
				Attorney Docket	AB-233U5

QP	A 33	US-6,221,513-B1	04-24-2001	Lasater	
QP	A 34	US-6,259,937-B1	07-10-2001	Schulman, et al.	
	A 35	US-6,315,721-B2	11-13-2001	Schulman, et al.	
	A 36	US-6,415,184-B1	07-02-2002	Ishikawa, et al.	
	A 37	US-6,464,687-B1	10-15-2002	Ishikawa, et al.	
	A 38	US-6,516,808-B2	02-11-2003	Schulman	
	A 39	US-6,521,350-B2	02-18-2003	Fay, et al.	
	A 40	US-6,553,263-B1	04-22-2003	Meadows, et al.	
	A 41	US-6,567,703-B1	05-20-2003	Thompson, et al.	
	A 42	US-6,582,441-B1	06-24-2003	He, et al.	
	A 43	US-6,622,048-B2	09-16-2003	Fraley, et al.	
	A 44	US-6,660,118-B2	12-09-2003	Wolf, et al.	
▼	A 45	US-2001/0046625-A1	11-29-2001	Ruth, II, et al.	
QP	A 46	US-2003/0096162-A1	05-22-2003	Lasater, et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>2</sup>	-Number <sup>3</sup> -Kind Code <sup>4</sup> (if known)				
QP	A 47	EP-0714317-B1		09-04-2002	Hassler, et al.		
QP	A 48	EP-0844899-B1		07-03-2003	Schulman, et al.		
	A 49	WO-97/18657-A1		05-29-1997	Richmond, et al.		
	A 50	WO-00/01320-A2		01-13-2000	Loeb, et al.		
	A 51	WO-00/01320-A3		01-13-2000	Loeb, et al.		
	A 52	WO-00/56394-A1		09-28-2000	Schulman		
▼	A 53	WO-00/56677-A1		08-28-2000	Malmgren, et al.		
QP	A 54	WO-01/24962-A1		04-12-2001	Schulman		

Examiner Signature	<i>Jan J</i>	Date Considered	6/23/05
--------------------	--------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Patent Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/609,457
				Filing Date	June 27, 2003
				First Named Inventor	Daulton
				Art Unit	1775
				Examiner Name	Jason L. Savage
Sheet	3	of	3	Attorney Docket	AB-233U5

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.'	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>o</sup>

<i>QP</i>	A 55	CAMERON, et al., "Micromodular Implants to Provide Electrical Stimulation of Paralyzed Muscles and Limbs", IEEE Transactions on Biomedical Engineering, Vol. 44, No. 9, (Sept. 1997), pages 781-790.	
<i>QP</i>	A 56	LOEB, et al., "BION™ Bionic Neurons for Functional and Therapeutic Electrical Stimulation", 20th Annual International Conference of IEEE Engineering in Medicine and Biology "Biomedical Engineering Towards the Year 2000 and Beyond", October 29-November 1, (1998), Hong Kong, 5 pages.	
<i>QP</i>	A 57	LOEB, et al., "North Sea: Transducers and Electrodes - Injectable Microstimulator for Functional Electrical Stimulation", Med. & Biol. Eng. & Computer, North Sea Special Feature, 29 (Nov. 1991), pages NS13-NS19.	

Examiner Signature	<i>John D.</i>	Date Considered	6/23/08
--------------------	----------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>2</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.